KCPECKY, A.

Gasoline losses in plants used for the extraction of begetable oils. p.151. (Prumysl Potravin. Praha. Vol 8, no. 3, 1957.)

SO: Monthly List of East European Accessions (EEAL) IC., Vol. 6, no. 7, July 1957. Uncl.

Card 1/1

CZECHOSLOV.KI. / Chemical Technology. Chemical Prod- H-25 KOPECKY ucts and Their Applications. Fats :... and Oils. Waxos. Scaps and Dotorgonts. Flotation agents.

Abs Jour: Ref Zher-Khimiya, No 3, 1959, 9877.

: Kopocky, A., Marcock, V. Author

: Purification of Glycorine by Ion Exchange. I. Inst Titlo

Orig Pub: Prumysl potravin, 1958, 9, No 4, 188-195.

Abstract: Current methods are described for purifying

glycerine by ionites, particularly a method of purification based on ion exchange and applied in climination of salts from glycorine solu-

tions on an industrial scale. Bibl. 48 refs.

huthor's abstract.

Card 1/1

KOPECKY, A.; LIST, J.

"Determination of the substitution level in carboxymethylcellulose." p. 272

PRUMYSI POTRAVIN. Praha, Czechoslovakia, Vol. 9, No. 5, May, 1958

Monthly List of East European Accessions (EEAI), LC, Vol. 8, No. 9, September, 1959 Uncl.

COUNTRY Czechoslovakia H-25 CATEGORY ABS. JOUR. RZKhima, No. 5 1960, No. 19653 AUTHOR Kopecky, A. INST. Not given TITLE 1 Paper Chromatography of Higher Fatty Acids ORIG. PUB. : Prumysl Potravin, 9, No 7, 385-386 (1958) ABSTRACT A simple method is described for the quantitative analysis of mixtures of higher fatty acids present in oils and fats by paper chromatography. It is shown that the method described is also suitable for application in the production control of the cleavage and hydrogenation of fats and for the determination of saturated (solid) and unsaturated (liquid) acids. From author's summary CARD: 1/1 343

Jon exclusion. Antonin Konecké (Vézkumné ústav ofcia. luky, Prague). Chemic (Prague) 10, 463-73(1958).— Owing to Donnan equil, the partition coeff. (conen. of solute in the internal water phase contained in the lattice structure of the ion-exchange resin/conen. in the external water phase contained between the resin particles) is lower for ionizing substances (0.1-0.2) than for the nonionizing ones (0.4-2.0). The ionizing components of a mixt. appear, therefore, carlier in the effluent from the column of ion-exchange resin whose counterion (e.g. Na) is identical with the resp. ion of the ionizing component (e.g. NaCl). Factors influencing the degree of sepn. (cross-linking, etc.) are briefly reviewed, and the recycling process (Simpson and Bauman, C.A. 49, 13700f) and applicability of the method for economic sepn.

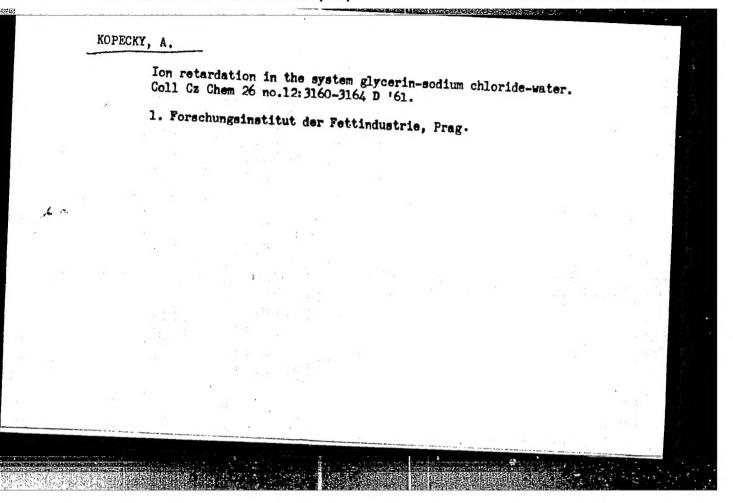
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KOPE CKY, A.

APPROVED FOR RELEASE: 03/13/2001

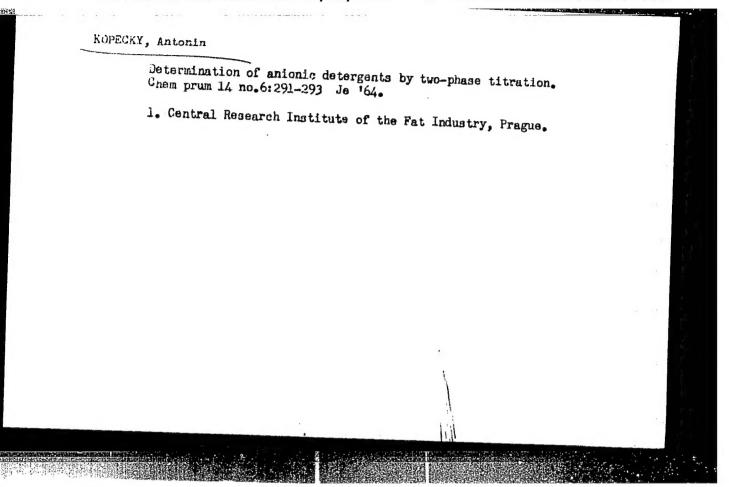
CIA-RDP86-00513R000824510007



KOPECKY, Antonin

Analysis of nonionogenic polyoxyethylene detergents. Chem listy 57 no.11:1153-1169 N '63.

1. Vyzkumny ustav tukoveho prumyslu, Praha.



KOPECKY, Antonin, inz.

Branched fat acids and their use in cosmetics. Prum potravin 15 no.3:127-129 Mr '64.

1. Research Institute of Fat Industry, Prague.

KOPECKY, antonin, inz.

Titration methods of determining animactive saponates. Prum potravin 15 no.81422-423 ag 164.

1. Research Institute of Fat Industry, Frague.

CZECHOSLOVAKIA

KOPECKY A

Research Institute for the Fat Industry (Forschungsinstitut der Fettindustrie), Prague

Pregue, Collection of Czechoslovak Chemical Communications, No 5, May 1966, pp 2073-2082

"Bauman-Wheaton Effect with the Separation of Glycerine and sodium chloride by means of exclusion of ions."

L10604Z-56 TENP(1)

ACC NR: AP6027373

SOURCE CODE: CZ/0043/66/000/004/0274/0220 2001 CIA-RDP86-00513R000824510007-APPROVED FOR RELEASE: 03/13/2001 C AUTHOR: Kopecky, A.—Kopotski, A. (Engineer; Prague)

ORG: Research Institute of the Comestible Fats Industry, Prague (Vyzkumny ustav tukoveho prumyslu)

TITIE: Separation of glycerine and sodium chloride by ion retardation

SOURCE: Chemicke zvesti, no. 4, 1966, 274-280

TOPIC TAGS: chemical separation, glycerin, sodium chloride, chemical composition, aqueous solution, acrylic acid, flow rate, reaction temperature, reaction rate

Changes due to rate of flow, temporature and the composition of the solution on the characteristics of the separation of aqueous solutions of glycerol and water solution of sodium chloride are discussed. The resin used for the retardation of the ions were prepared by incorporating a polymer of acrylic Acid in Annex S-8-TM. The coefficient of separation decreases with increasing flow rates at constant temperature, and at a constant rate of flow it increases with intreasing temperature. The difference in the rates of elution of the two substances increases with increasing concentration of the substances. Orig. art. has: 6 figures and 1 table. [JPRS: 36,464]

SUB CODE: 07 / SUBM DATE: 27Dec65 / ORIG REF: 001 OTH REF: / SOV REF: 001

KOPECKY, Antonin; KNEBLOVA-VODICKOVA, Vlasta

Proof of Pleistocene volucanic activity in the Sokolov Basin.

Cas min geol 9 no. 1:79-82 '64.

1. Ustredni ustav geologicky, Praha.

KUPECKY, A.

SURLINE, Given Names

Country: Cmechoslovaltia

Academic Degrees: /not given/

Affiliation: Control veological applitute (Ustredai ustav peologicky), Frague

Source: Progue, Vestnik Ustred. L. o L. bay: Geologickeho, Vol XXAVI, No 6, 61,

Data: "The Apr of the Cankov sold in the solicity Coal pagin."

GPO 981643

HOSTOMSKA, L., Dr.; KOPECKY, A. APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000824510007

Insulin mixtures in the treatment of diabetes in children. Cesk. pediat. 10 no.6:453-458 July 55.

1. Z II. detske kliniky prof. Dr. J. Houstka z, detske diabeticke poradny KUNZ a polikliniky v Praze.
(DIABETES MELLITUS, in infant and child

ther., insulin mixtures.) (INSULIN, ther. use

mixtures in diabetes mellitus in inf. and child.)

HOSTOMSKA, L.; KOPECKY, A.

Insulin mixtures in the treatment of diabetes in children. Rev. Czech. M. 2 no.3:261-264 1956.

1. II. Children's Clinic of Prof. J. Houstek, Prague-Regional
Hospital, Prague, Children's Department.

(DIABETES MELLITUS, in inf. & child
there, crystalline insulin & protection since there.

ther., crystalline insulin & protamine zinc insulin mixture, indic.)

(INSULIN, ther. use

diabetes mellitus in child., crystalline insulin & protamine sinc insulin mixture, indic.)

HOSTOMSKA, L., Dr.; KOPECKY, A., Dr.; KOTTOVA, V., Dr.; MALY, W., Dr., asistent.

BMR values in most frequent childrens diseases in endocrinologica? practice. Cesk. pedist. 11 no.8:616-620 Aug 56.

1. II. detska klin. prof. Dr. J. Houstka. Detske oddeleni KUNZ. primarka Dr. D. Srbova. Ustav pro organisaci zdravotnictvi v Praze, predn. prof. V. Prosek.

(BASAL METABOLISM, determ. in thyroid dis. in child (Gz)) (THYROID GLAND, dis. basal metab. determ. in child (Gz))

Courence of obesity in children treated for rhoumatic carditis.

Cesk, pediat. 12 no.9:796-797 5 Sept 57.

1. Detske oddeleni EUEZ v Prase; primar Dagmar Srbova.

(RHENMATIC HEART DISEASE, compl.

obseity during ther., etiol. factors (Cs))

(OBESITY, in inf. & child

during ther. of rheuz. heart dis., etiol. factors (Cs))

KOPECKY, A.; KOTTOVA, V.

Ion exchange in clinical medicine. Cesk. pediat. 13 no.9:831-835 5 Oct 58.

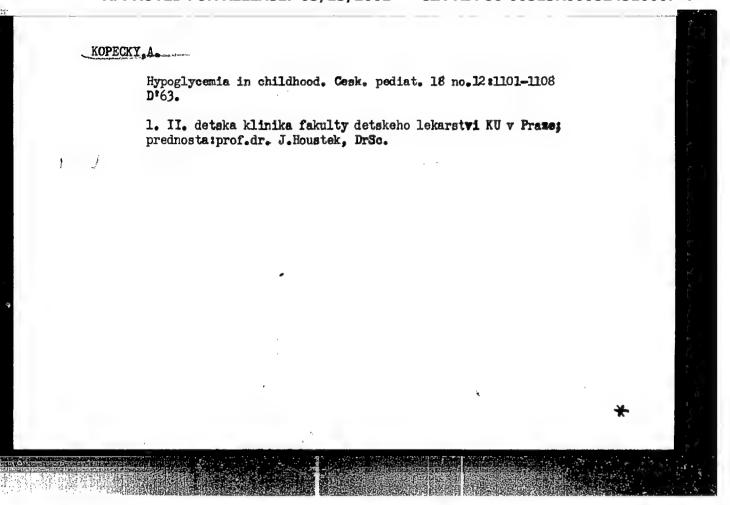
1. II. detska klinika Praha, prednosta prof. Dr. J. Houstek . A. K., Praha II, Belehradska 47. (IOH TRANSFER

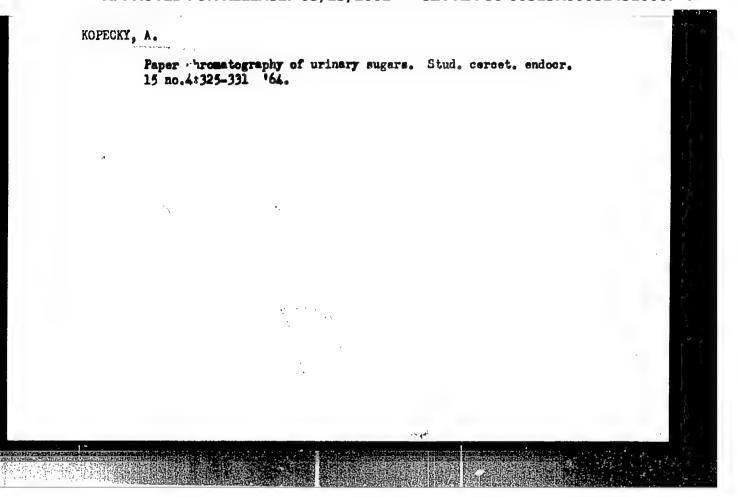
ion exchange, clin. value, review (Gz))

Care of patients with diabetes mellitus in Bucharest. Cas. lek. cesk. 101 no.20:120 18 My '62.

1. II. detske klinika lekarske fakulty v Praze, prednosta prof. dr. J.Houstek.

(DIABETES MELLITUS therapy)





KOPECKY, A.

Paper chromatography of sugar in the urine. Cesk rediat. 19 no.10:885-889 0 164.

1. II detska klinika a Ostav vyzkumu vyvoje ditete fakulty detskeho lekarstvi Karlovy university v Praze; prednosta prof. dr. J. Houstek, DrSc.

KOPECKY, Antonin

Preparation of dialuminumpentahydroxy chloride. Chem prum 12 no.10:556 0 162.

1. Vyskumny ustav tukoveho prumyslu, Praha.

KOPECKY, Antonin, inz.

Problem of efficient substances for making decodorants and antiperspirants. Prum potravin 13 no.4:191-192 Ap '62.

1. Vyzkumny ustav tukoveho prumyslu, Praha.

KOPECKY, Antonin, inz.; ZAHRADNIK, Miroslav

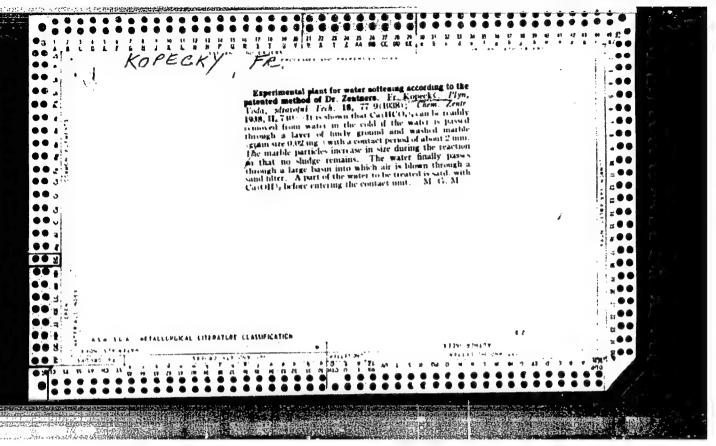
Ageing of Cologne water. Prum potravin 14 no.1:26-29 Ja '63.

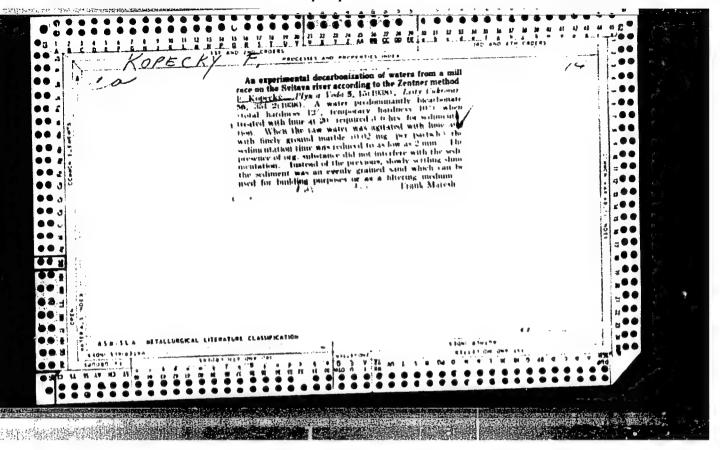
1. Vyzkumny ustav tukoveho prumyslu, Praha.

POKORNY, Jan; KOPECKY, Antonin; DLOUHA, Jirina

Cane wax as cosmetic raw material. Prum potravin 14 no.11: 579-580,612 Nº63.

1. Vysoka skola chemickotechnologicka, katedra chemie a zkouseni potravin, Praha (for Pokorny). 2. Sdruzeni tu-koveho prumyslu, Vyzkumny ustav pro tuky a oleje, Prahs. (for Kopecky and Dlouha).





KOPECKY, F.

KOPECKY, F. Testing plastic pipes used in supplying drinking water. p. 311.

Vol. 1, no. 10, Oct. 1996 NOVA TECHNIKA TECHNOLOGY Czechoslovakia

So. East European Accessions, Vol. 6, No. 5, May 1957

KOTHOUT F.

KOPECKY, F. Technical standardization of labor efficiency. p. 5.

Vol. 2, no. 1, Jan. 1954 SKIAR A KERAMIK TECHNOLOGY Praha, Czechoslovakia

So: East European Accessions, Vol. 5, no. 5, May 1956

К

KOPECKY

Country : HUNGARY

Category: Forestry. Forest Cultures.

Abs Jour: RZhBiol., No 11, 1958, No 48784

Author : Kopecky, F.

: hungarian Lead. Sci. Inst

: Problems of Breeding Black Poplar in Hungary. Title

Orig Pub: Acta agron. Acad. sci. hung., 1956, 6, No 3-4,

307-320

Abstract: It is pointed out that the Populus scroting, P. marilandica, P. robusta which were introduced in Hungary and are used in crossing with the local black poplars, originate in latitudes with a longer photo-period compared with the local conditions. The photo-periodic properties of the parents appear clearly in the hybrid generation.

: 1/2 Card

INSTRUMENTS AND EQUIPMENT

APPROVED FOR RELEASE: 03/13/2001 CZECHOSLOVAKIA CIA-RDP86-00513R000824510007-

PESAK, M.; KOPECKY, F.; CELECHOVSKY J.; Chair of Physical Chemistry, Pharmaceutical Faculty, Comenius University (Katedra Fysikalni Chemie Farmaceuticke Fakulty UK), Bratislava.

"Cryospopic Determinations with Thermistors of Czechoslovak Ori-

Prague, Ceskoslovenska Farmacie, Vol 15, No 6, Jul 66, pp 287-290

Abstract [Authors | English summary modified]: Czechoslovak thermistors Negohm 12 NR 15 are described and their development is discussed. The accuracy of the instruments is up to 0.0001°C, variance of individual measurements, caused by first cooling the whole system, is about + 0.0007°C. The relative error of measurement did not exceed 0.2%, at the freezing point depression of T = 0.4°C. h Figures, 2 Tables, 15 Western, 5 Czech, 1 Russian, 1

Hungarian reference. (Manuscript received 10 Mar 66). 1/1

TOMPA, Karoly, dr., egyetemi adjunktus; GYORFFY, Barna, dr.; NEMKY, Erno, dr.; KOPECKY, Ferenc; TUSKO, Laszlo, dr.

Teaching forest plant improvement at the University of Forestry and Wood Industry. Erdo 12 no.8:367-370 Ag °63.

1. Erdeszeti es Faipari Egyetem, Sopron (for Tompa).

KALDY, Jozsef, a mezogazdasagi tusomanyok (erdeszet) kandidatusa KCPECKY, Ferenc, tudomanyos fomunkatars; TOMPA, Karoly, dr., docens

A Council of Mutual Economic Assistance work conference on poplars and other fast-growing trees. Erdo 12 no.4:185-189 Ap '63.

1. Editorial board member, "Az Erdo" (for Kaldy). 2. Head, Poplar Experimental Research Station, Scientific Institute of Forestry, Savar (for Kopecky). 3. University of Forestry and Timber Industry, Sopron (for Tompa).

KOPECKY, F., inz.; JACEROVA, H.; TRUHLAR, V., inz.

Experiences in wasts water purification in the Loukov exidation ditch. Vedni hosp 15 no.4:165-169 '65.

1. District Water Resources Management Agency, Miada Boleslav (for Kopesky and Jagerova). 2. Liaz, Mnichovo Hradiste (for Trublar).

"APPROVED FOR RELEASE: 03/13/2001 CIA-F

CIA-RDP86-00513R000824510007-4

SINGER, Dionis (Usti na Labi, Chekhoslovatakaya Sotsialisticheskaya Respublika);

<u>KOPETSKI, Irahi</u> (Usti na Labi, Chekhoslovatskaya Sotsialisticheskaya Respublika)

Automation in the mamufacture of sulfuric acid. Khim.prom. no.6:
410-413 Je '61. (MIRA 14:6)

(Czechoslovakia—Sulfuric acid) (Automatic control)

MIncreased car turnover." (p. 293). ZELEZNICE (Zeleznicni vydavaterstvi)
Praha,,Vol 3, No 11, 1953.

SO: East uropean Accessions List, Vol 3, No 8, Aug 1954.

KCPECKY, J.

A V 20/3 multi-spindle drilling machine.

p. 473. (Strejirenska Vyroba. Vol. 5, no. 10, Oct. 1957, Praha, Czechoslovakia)

Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 2, February 1958

KOPECEK, J.; PROKOP, J.

Electromagnetic cranes for foundries.

p. 293 (Elektrotechnik) Vol. 12, no. 9. Sept. 1957, Praha, Czechoslovakia

SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (EEAI) LC. VOL. 7, NO. 1, Jan. 1958

KOPECKY, J.

Standardization of metallurgic installations and constructions.

p. 865 (Hutnicke Listy) Vol. 12, no. 10, Cct. 1957, Fraha, Czechoslovakia

SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (EMAI) LC. VOL. 7, NO. 1, JAN. 1958

Kopecky, J.

Measurement of loss angle and capacitance at operating voltage. p. 204. ENERGETIKA. (Ministerstvo paliv a energetiky. Hlavni sprava elektraren) Praha. Vol. 6, no. 5, May 1956.

Source: EEAL IC Vol. 5, No. 10 Oct. 1956

CZECHOSLOVAKIA

KOPECKY, J.; BRDA, M.; Research Institute of Pharmacy and Biochemistry (Vyzkumny Ustav pro Farmacii a Biochemii), Prague.

"Synthesis of L(+) -2,2'-(Ethylenediimino)-di-1-Butanol (Etham-butol)."

Prague, Coskoslovenska Farmacie, Vol 15, No 7, Sep 66, pp 367-368

Abstract /Authors' English summary modified 7: The chemical discussed is a stereospecific antituberculous agent; it was synthethized by hydrogenolytic debenzylation of L(+)-2,2'-(ethylene-N,N'-dibenzylimino)-di-1-butanol, prepared from optically active 2-benzylamino-1-butanol and ethylenedibromide by alkylation. 10 Western, 2 Czech, 3 Russian, 1 Hungarian reference.

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"APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000824510007-4

KOPECKY, JOSEF

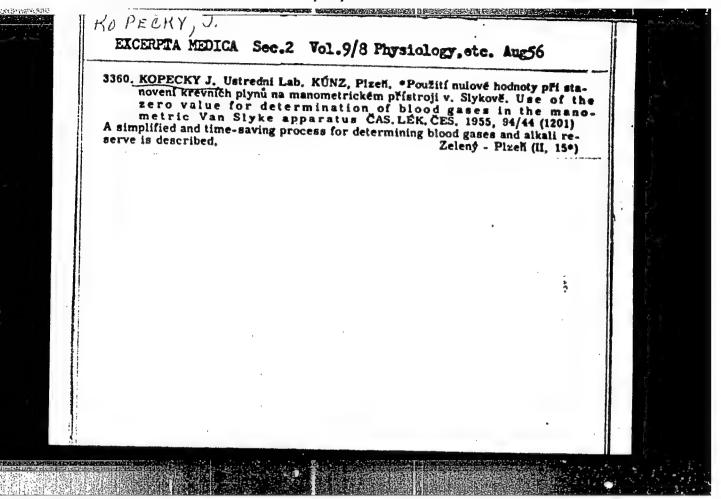
Electrina jako zdroj pozaru a urazu. Praha, Ceskoslovenska pojistovna, 1952. 36 p. (Kniznice gabrany skod) (Electricity as a source of fires and accidents.

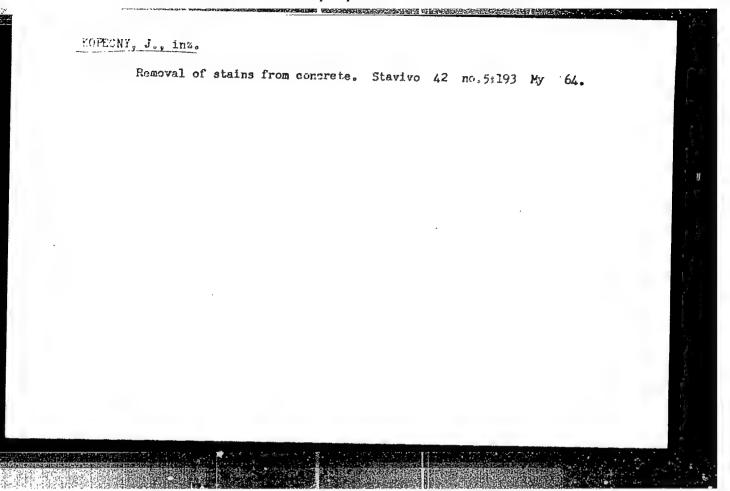
SO: Monthly Index of East European Accessions (EEAI) IC. Vol. 7, no. 4, April 1958

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000\$24510007

CAND: 1/1

175





KOPECKY, J.; TYPOVSKY, K.

Foreign body in the right heart atrium. Rozhl. chir. 43 no. 2:110-113 F '64.

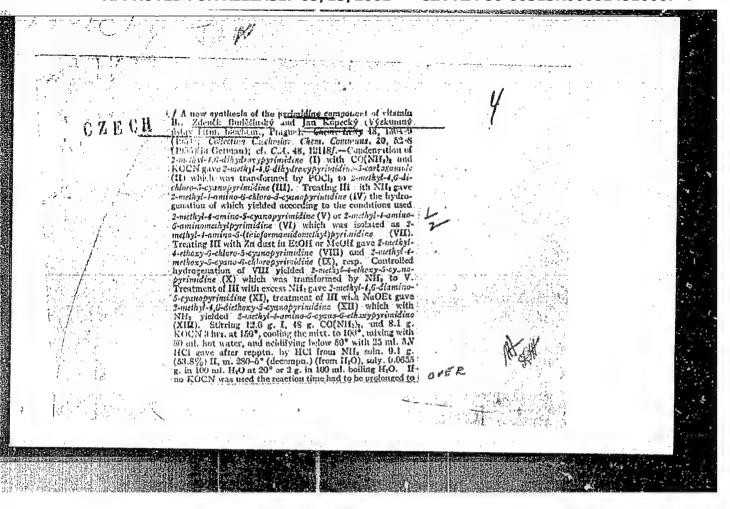
 Chirurgicke oddeleni krajske nemocnice s poliklinikou v Ostrave 3; vedouci: doc. dr. K. Typovsky, CSc.

of

KOPECKY, J.; CHALUPA, B.; MICHALEC, R.; KAJFOSZ, J.

Beam of polarized neutrons obtained by the reflection from a cobalt mirror. Chekhosl fiz zhurnal 13 no. 6:474-476 162.

 Ustav jaderneho vyzkumu, Ceskoslovenska akademie ved, Rez.



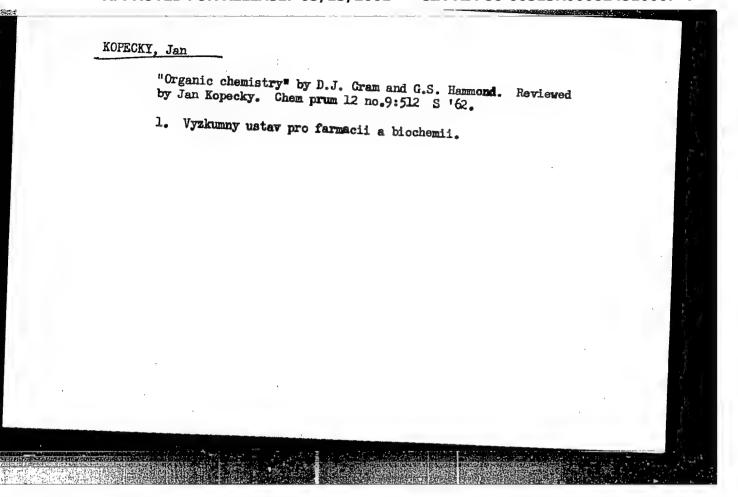
KOPECKY, Jan ...

URFS type universal electric woodworking tools for manual operation. Drevo 18 no.4:149-150 Ap 163.

1. Tovarny na obrabeci stroje, n.p., Svitavy.

substances is proposed; - one chemical reactivity of the C-H bonds. The first step metabolism being the phenylglyoxylic acid. 6 Western, 4 Czech references. (Manuscript received 3 Sep 65).

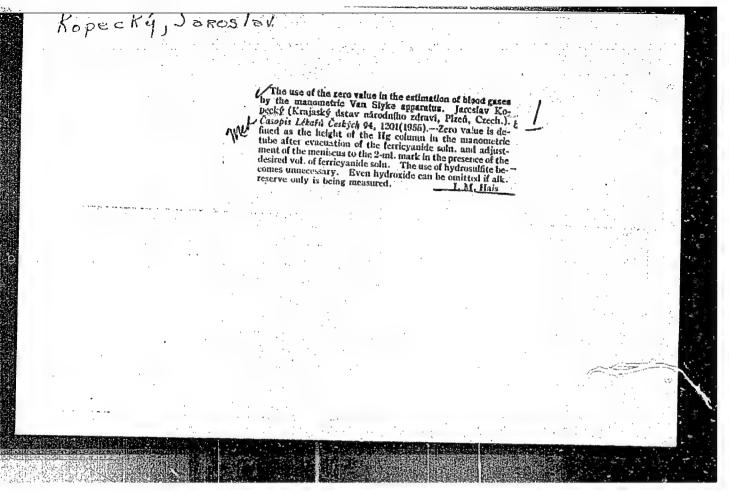
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KOPECKY, Jan

The PTAS-150 four-head molding machine. Drevo 18 no.6:222 Je 163.

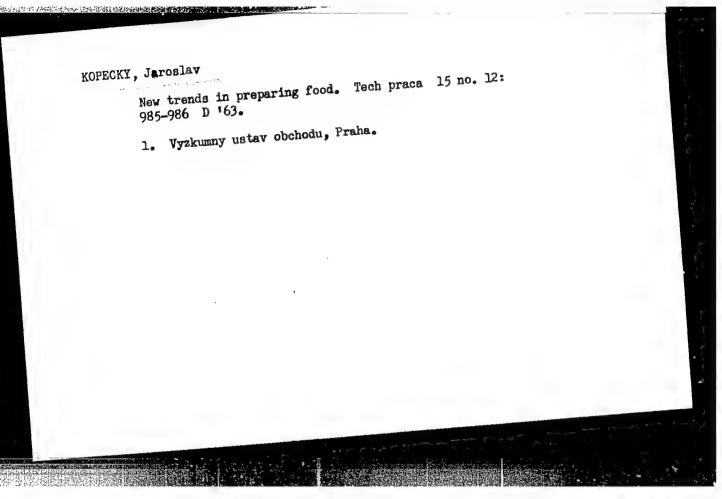
1. Towarny na obrabeci stroje, Svitavy

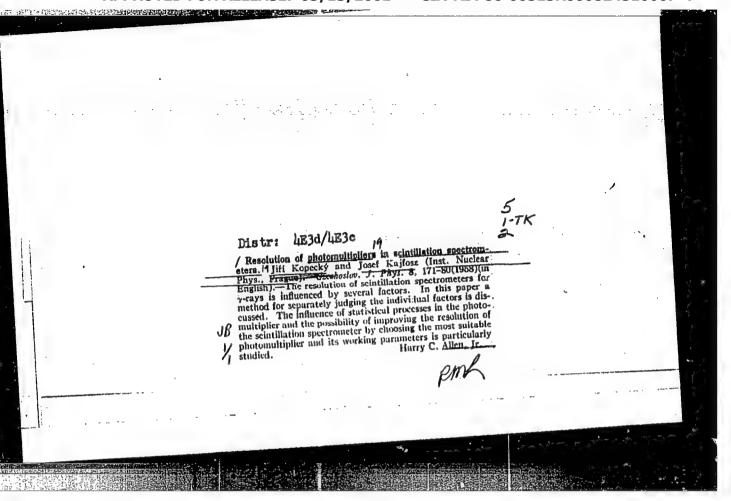


KOPECKY, Jaroslav, inz.

Experience with bridge designing for foreign countries. Ins stayby 10 no.3:100-105 Mr 162.

1. Stavby silnic a zeleznic, n.p., Praha.





KOPECKY, J.

SCIENCE

PERIODICALS: CHEKOSLOVANSKY CASOPIS FRO FYSIKU Vol. 8, no. 4, 1958

KOPECKY, J. Two-crystal scintillation spectrometer with pulse summation. p/ 582

Monthly list of East European Accessions (EEAI) LC, Vol. 8, no. 5, May 1050, Unclass

JIRI . KOPECKY,

CZECHOSLOVAKIA/Nuclear Physics - Installation and Instruments.

Abs Jour

Ref Zhur Fizika, No 1, 1960, 281

Kajfosz, Josef; Kopecky, Jiri

Author

Institute of Nuclear Physics, Prague, Czechoslovakia

Inst

Title

Scintillation Spectrometer with Summation of Pulses

from Two Crystals

Chekhosl. fiz. zh., 1958, 8, No 5, 574-582

Orig Pub

Abstract

The authors describe a two-crystal scintillation spectrometer, based on the principle of summation of anplitudes of pulses from two detectors; a y quantum which experiences Compton scattering in one crystal, falls into a second crystal, placed in line with the first one, and is absorbed there because of the photoeffect. With the aid of a coincidence circuit

card 1/3

CZECHOSLOVAKIA/Nuclear Physics - Installation and Instruments.

Methods of Measurement and Research.

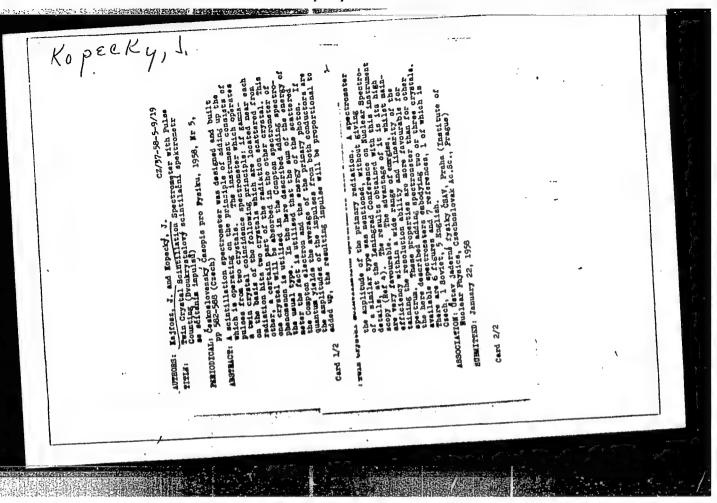
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Abs Jour

: Ref Zhur Fizika, No 1, 1960, 281

of the spectrometer is discussed. -- V.P. Parienova

Card 3/3



APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000824510007-4"

67008 CZECH/37-59-1-22/26

21.5300 Josef Kajfosz Jiri Kopecky, AUTHORS:

Card

1/3

Letter to the Editor: The Efficiency of a Counter

TITLE: Spectrometer for Gamma-Rays

PERIODICAL: Československý Časopis Pro Fysiku,1959,Nr 1,pp 112-113

ABSTRACT: In Ref 1, the authors have described a two-crystal scintillation spectrometer working on the principle of counting the pulses. It is necessary to know the exact dependence of the efficiency of the spectrometer on the energy of the Y-rays. The authors have, therefore, calculated this dependence for the geometry of Ref l (Fig 2a), considering the self-absorption of the

scattered radiation in the first crystal and the dependence of the scattering angle on the energy. Eq (1)

gives the final result for the Compton scattering. Here **B** is the energy of the primary radiation, μ is the minimum energy of the scattered radiation, μ is the absorption coefficient of the γ -radiation in the crystal is the

NaJ(T1) and the subscripts t, f, and c stand for total, photo-effect and Compton scattering, respectively. Dashed values are for the scattered radiation.

and d2 are the thicknesses of the crystals,

CZECH/37-59-1-22/26

Letter to the Editor: The Efficiency of a Counter Spectrometer for Gamma-Rays

R is the radius of the first crystal, φ is the differential effective cross-section for the production of a scattered quantum, Θ is the scattering angle for a quantum of energy E^* , and k^- shows which part of the radiation scattered in the second crystal is absorbed in this crystal by the photo-effect. The contribution from pair production is given by Eq (2). Two dashes refer to the energy 0.51 MeV, μp is the absorption coefficient for the creation of pairs, α is the angle between the annihilation quantum and the axis of the first crystal. α_m is the minimum angle for the given geometry, α is a correction factor giving the number of quanta absorbed by the photo-effect. The total efficiency of the spectrometer is due to the sum of the

 $\eta_s = \eta_c + \eta_p$

Card 2/3 The integrals have been evaluated graphically. The absorption coefficients have been taken from Refs 2 and 3,; values for k and c have been measured by the authors. The dependence of the efficiency on the energy is shown

21.5200

CZECH/37-59-4-1/16

Jan Urbanec, Jiří Kopecký, and Josef Kajfosz AUTHORS:

Radiative Capture of Slow Neutrons Aby Atomic Nuclei

PERIODICAL: Československý Časopis Pro Fysiku, 1959, Nr 4,

pp 339-346

ABSTRACT: The aim of this work was to fill in gaps and make more accurate measurements on low-energy states of a complex

nucleus, i.e. at energies of O.1 to 1 MeV on light elements: S, C1, K, Ca, V, Mn, Hg. To increase accuracy, a large volume of target material was used. The source of neutrons was a Czechoslovak experimental The neutrons were taken from a horizontal channel of approximately 100 mm diameter. A bismuth

filter of 200 mm thickness was used to reduce the back-The beam of neutrons was ground Y-radiation.

collimated by a collimator made of paraffin and Li2CO3, (the arrangement is shown in Fig 1). The target

material was enclosed in an aluminium cylinder 6 cm dia. x 4 cm long. The wall-thickness was approximately 35

mg/cm2. In a single-crystal scintillation spectrometer, Card 1/2 a crystal of sodium iodide (4,4 x 3.8 cm) was used. The

pulses were analysed by a single channel amplitude

CZECH/37-59-4-1/16

Radiative Capture of Slow Neutrons by Atomic Nuclei

The resolution of the spectrometer at analyzer. 0.662 MeV was 8.7-8.9% for uncollimated \gamma-radiation. The energy levels and intensities of the various gamma transitions were found as the difference between two measurements: the first was taken with the target material in the aluminium cylinder and the second with Several parasitic radiations the empty aluminium tube. These were due to: reactions occurred in the spectrum. in the scintillating crystal, Compton scattering, annihilation radiation of energy 510 keV; etc. absolute intensities of the transitions were found by comparison with a known reaction (Ref 6). The accuracy of this determination was better than 15%. The accuracy The accuracy of measuring the energy was better than 1%. The results are summarised in Figs 4 to 8, and in Table 1. Table 1 also shows results of various other authors. Two new lines were discovered on V52.

Card 2/2 There are 8 figures, 1 table and 14 references, of which 9 are English and 5 Soviet.

ASSOCIATION: Ústav jaderného výzkuku ČSAV, Praha (Institute for

Nuclear Research, Czechoslovak Academy of Science,

Prague) SUBMITTED: January 16, 1959

KOPECKY JIRI

CZECHOSLOVAKIA/Nuclear Physics - Installation and Instruments.

Methods of Measurement and Research.

Abs Jour

: Ref Zhur Fizika, No 1, 1960, 282

Author

: Kopecky, Jiri; Kajfosz, Josef

Inst

: Institute of Nuclear Physics, Prague, Czechoslovakia

Title

The Efficiency of a /-Ray Summation Spectrometer

Orig Pub

: Chekhosl. fiz. zh., 1959, 9, No 2, 268-269

Abstract

: The efficiency of a two-crystal scintillation spectrometer, operating on the principle of pulse summation (see Abstract 281), is calculated. In the calculation account is taken of the self-absorptiom of the scattered radiation in the first crystal and the dependence of the angle of scattering on the energy. The resultant efficiency of the spectrometer \mathcal{H}_S is represented by the $\mathcal{H}_S = \mathcal{H}_C + \mathcal{H}_D$, where \mathcal{H}_C is the

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CZECHOSLOVAKIA/Nuclear Physics - Installation and Instruments.

Methods of Measurement and Research.

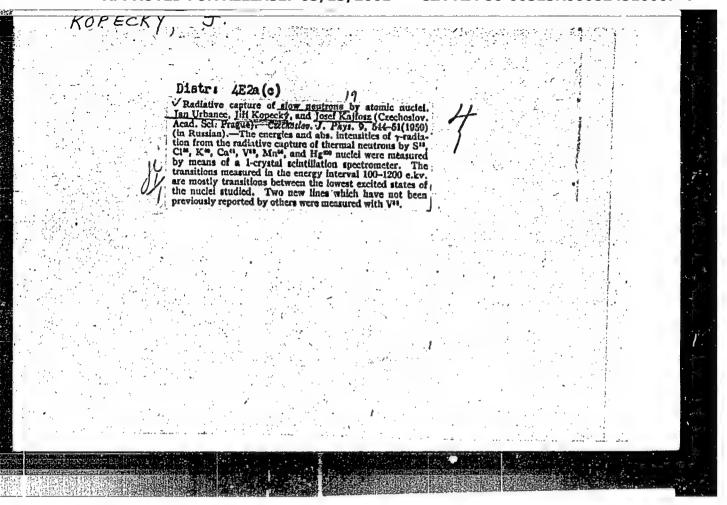
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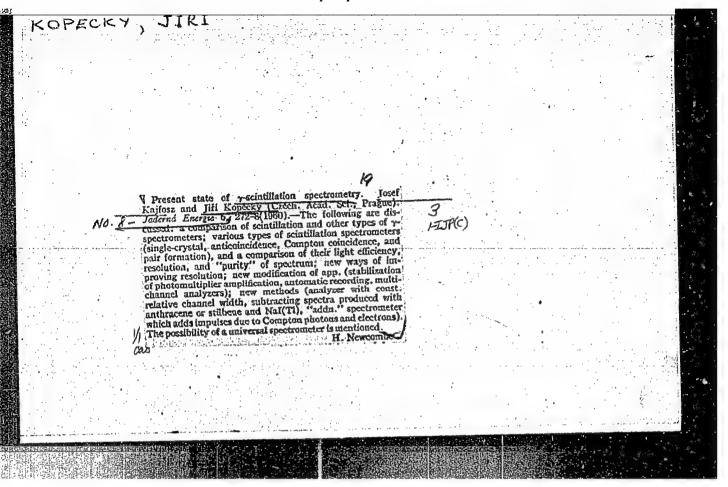
Abs Jour

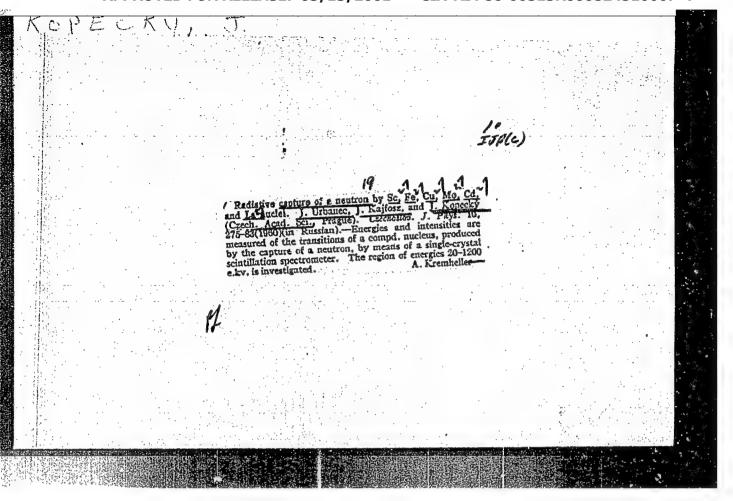
: Ref Zhur Fizika, No 1, 1960, 282

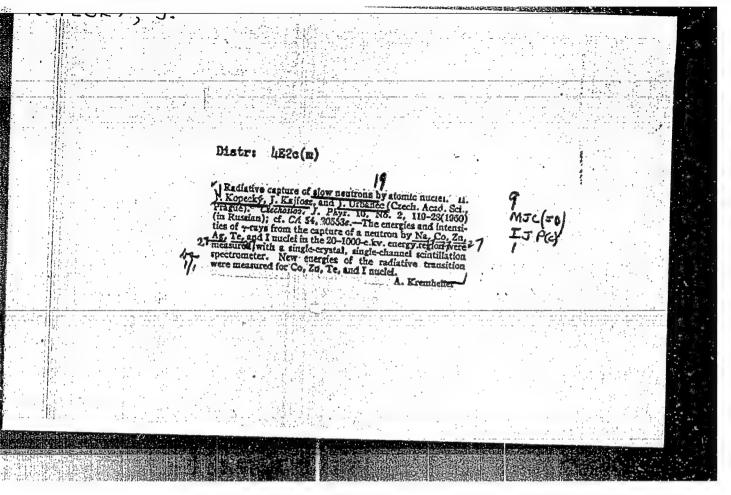
efficiency for Compton scattering and \mathcal{H}_p is the corresponding value for the pair-production effect. Analytical expressions are given for \mathcal{H}_p and \mathcal{H}_p . Calculation shows that the effectiveness of the sunming spectrometer diminishes with increasing energy of the Japanta to a value ~ 3.5 MeV, and then again increases, thanks to the effect of pair production. -- V.P. Parfenova

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L 18291-63 EWT(1)/EWP(q)/EWT(m)/BDS AFFTC/ASD Pad JD/HW Z/0055/63/013/006/0474/0476

AUTHOR: Kopecky, J., Chalupa, B., Michalec, R., Kajfosz, J.

TITLE: The beam of polarized neutrons obtained by the method of reflecting from a cobalt mirror of cobalt mirror of cobalt mirror, reverse spin, depolarization, shim method

ABSTRACT: In the experimental magnetized mirror of cobalt on a copper base (both 50 microns thick), built by the 4 authors to obtain polarized neutrons, a beam of heat neutrons from the horizontal channel of their experimental reactor BBP-C.

emitted by the collimator at the rate of (7.5 plus minus 0.2). 10 sup 7 neutrons/sq cm/sec, with a maximum angle deviation of 12 minutes, falls on a cobalt surface 500 x 120 mm. As already shown by others, in case of sufficiently large B's there is complete reflection for neutrons with a spin parallel to the magnetizing field (refraction coefficient less than 1), whereas for neutrons with

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L 18291-63 ACCESSION NR: AP3003663

reverse spin there is only refraction into the mirror (r.c. more than 1). This produces a neutron beam polarized in the direction of the field magnetizing the mirror. The degree of polarization was measured with another similar mirror, magnets with congruent fields being placed between them to maintain the direction of spin of the neutrons. The table shows that the method of double reflection gives comparatively low values differing from the true polarization because of depolarization of the beam in passing between the regions of the reverse magnetic fields. By using a third mirror the authors determined the quality of the other two and the relationship of their polarizations. Results: double-reflection method 0.788; shim method 0.857; combined 0.852. Using the better of the two mirrors as a polarizer, the degree of polarization attained in the reflected beam was 94 plus or minus 24. The flow measured in the polarized beam was 2.10 sup 6 neutrons/sec (3. 10 sup 5 neutrons/ sq cm/sec.). The flow can be increased by using a mirror 1-1.5 m long. The beam obtained will soon be used to study the radiation capture of pllarized neutrons by nuclei. Orig. art. has 1 figure and 1 table.

Card 2/3

Card 3/3 APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000824510 KOPECKY, J.

CTECHNELOW ARTA

Zahramin, n., mich., J., kopicky, J.

2. Institute of Physical Chemistry, Casaboslovak Academy of Sciences (for ?); 2. Institute of Industrial Hygiens and Governtional Messages, Progne (for ?)

Propose Callection of Cascheelovak Chemical Communications, No 2, Feb. 1966, pp 649-648.

"Electronic structure of non-alternact hydrocurbons, their conlegues and derivatives, Part 5: Enterese-like hydrocurbons,"

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000824510007-

CZECHOSLOVAKIA

SMOLIK, S.; KOPECKY, J.; Research Institute of Pharmacy and Biochemistry (Vyzkusky Ustav pro Farmacii a Biochemii), Prague.

"Synthesis of Alkyliden- and Aryliden-derivatives of 1-Amino-Hydantoin and 3-Amino-Hydantoin-2-0xazolidone."

Prague, Ceskoslovenska Farmacie, Vol 15, No 9, Nov 66, pp 466-469

Abstract /Authors' English summary modified 7: 1-benzylidene-2-semicarbazideacetic acid was prepared by the reaction of ethyl-N-benzylidine-1-hydrazinoacetate with potassium cyanate, and possibly with phosgene, followed by aminolysis. This acid was identical with the alkylation product of benzaldehyde semicarbazone with chloroacetic acid. Cyclization of the derivatives of 2-semicarbazideacetic acid to derivatives of 1-aminohydantoin with possible transarylidenation are discussed. N-benzylideneor N-(5-nitro-2-funfurylidene)-3-amino-2-oxazolidone were prepared by the reaction of ethyl 2-benzylidenehydrazinocarbonate or 2-isopropylidenehydrazinocarbonate with 5-nitrofurfuraldiacetate. 1 Figure, 26 Western, 2 Czech, h Japanese, 1 Fast 13rman reference. (Manuscript received 21 Oct 65).

KOPECKY, JOSEF.

Plemenitba skotu. / Vyd. 1. / Praha, Statni zemedelske nakl., 1954. 160 p. (Za vysoke vynosy, za vysokou uzitkovost) / Cattle Breeding. lst. ed. / DA Not in DLC

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 10, October 1957. Uncl.

KCFECKY, JCSEF.

Chov skotu. Praha, Statni pedagogicke nakl., 1954. 250 p. (Ucebni texty vysokych skol)

SOURCE: EEAL - LC Vol. 5 No. 10 Cet. 1956

APPROVED FOR RELEASE: 03/13/2001 CZECHOSLOVAKIA/Farm Animals. Cattle. CIA-RDP86-00513R000824510007-4

Abs Jour: Ref Zhur-Biol., No 4, 1958, 16775.

Kopecký J., Kahoun J., Macha J., Pilz Z. Author Inst

Title

: On the Investigation of the Type of the Kravarzh

Cattle

(Ob issledovanii tipa kravarzhskogo krupnogo rogatogo

nkota)

Orig Pub; Sbor. Vysoke skoly zemed. a Lesn. fak. Brne, 1956, A.

No 4, 249-259.

Abstract: In order to study the types of build, the measurements of 13 bulls older than 2 years and of 81 cows over 5 years of the Kravarah breed were effected.

By way of comparison, the measurements of the pure-

Card : 1/3 KOPECKY, J.

Our main ensilage crop is corn; production of good ensilage must function smoothly and be completed in the shortest possible time.

p. 32 Vol. 10, no. 5, May 1956 ROLNICKE HLASY Praha

SO: Monthly List of East Burapean Accessions (ETAL), LC, Vol. 5, no. 12
December 1956

KOPECKY, Josef

Plemenitba skotu. (Cattle Breeding. 2d rev. ed. illus., index) Authors: Josef Kopecky, Josef Smerha. Prague, SZN, 1957. 173 p.

A manual for the zootechnicians deals with the importance, organization, methods, and planning of the breeding operations; selection, estimation, evaluation of the quality of cattle and the breeding lines of cattle; controlled keeping of calves. A survey of the cattle types in Czechoslovakia, and instructions on how to control the increase in the utility of cattle. Some chapters of the second edition have been revised to bring the manual up to date.

Bibliograficky katalog, CSR, Ceske kmihy, No. 34. 1 Oct 57. p. 741.

KOPECKY, Josef

Prakticka cviceni z chovu skotu. (Practical Exercises in Cattle Breeding; a university textbook. 1st ed. illus., bibl.) Authors: Josef Kopecky, Jindrich Kahoun, Josef Macha. For the students of the Faculty of Zootechny. Prague, SPN, 1957. 191 p.

Bibliograficky katalog, CSR, Ceske knihy, No. 36. 15 Oct 57. p. 784.

Card 1/1

KOPECKY, JOSEF

Plemena skotu. (Vyd. 1)

Praha, Czechoslovakia, Statni pedagogicke nakl., 1958, 90p.

Monthly List of East European Accessions (EEAI), LC, Vol. 8, No. 9, September 1959. Unclassified.

KOPECNY, Josef; KLIMOVA, Marie

Bad effect of benzene on the blood. Chem prum 14 no.1:

1. Klinika nemoci z povolani, Brno.

42-43 Ja164.

KOPECKY, K.

Kopecky, K.

Hawthorn of the Czech karst. p. 48.

Vol. 10, no. 2, March 1955 OCHRANA PRIRODY

SO: Monthly List of East European Accession, (EEAL), LC, Vol. 4, No. 9, Sept. 1955, Uncl.

> CIA-RDP86-00513R000824510007-4" APPROVED FOR RELEASE: 03/13/2001

KOPECKY, K.

Matural groups of vegetation in the area of Nove Mesto and Metuji. p. 5. (Ochrana Prirody Vol. 12, no. 1, Jan. 1957 Praha)

SO: Monthly List of East European Accession (EEAL) LC, Vol. 6, no. 7, July 1957. Uncl.

KOPECKY, K.

Moose on the rocks of Pekelske Valley near Nove Mesto nad Metuji. p. 38. (Ochrana Prirody, Vol. 12, No. 2, Mar 1957, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 8, Aug 1957, Uncl.

KOPECKY, K., inz.; HLAVAC, J. Mine supports subject to an excessive pressure. Uhli 3 no.12:397-400 D 161. 1. Narodni podnik Vystavba, Ostravsko-Karvinske doly, Ostrava. (Coal mines and mining)

CIA-RDP86-00513R000824510007-4" APPROVED FOR RELEASE: 03/13/2001

"APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000824510007-4

9179. Dependence of the torsion modulus of steel on the torsional stress.

L. Kopecky. Letter in Czech. J. Phys. 5, No. 2, 283-5 (April, 1955). In German.

L. Kopecky. Letter in Czech. J. Phys. 5, No. 2, 283-5 (April, 1955). In German.

This found that for the types of steel used, Hocke's law is not obeyed though the difference is slight.

Heat treatment and mechanical history of the steel have marked effects.

T. G. Toye

Clipped OAST.

PC/LFH/maf October 10, 1956

KOPECKY, L.

GEOGRAPHY & GEOLOGY

Periodical: VESTNIK, Vol. 33, no. 3, 1958.

KOPECKY, L. Finds of melaphyre in the Permocarboniferous of the Kladno-Rakovnik area, p. 198.

Monthly List of East European Accessions (EEAI) IC, Vol. 8, No. 2, February 1959, Unclass.

Prague, Vestnik ustredniho ustavu geologickeho. No 2, March 1966, pp 121-126

KOPECKY, L

"Tertiary volcanism of the Vinaricka hora near Kladno."

VESTNIK, Praha, Czechoslovakia, Vol. 34, no. 4, 1959

Monthly list of East Europe Accessions (EEAT), LC, Vol. 8, No. 6, Sept 59

FIALA, Jiri: EOPECKY, Lubomir

Genesis of pyrope and other garnets in the Tertiary volcanic breccia of the Velky vrch and Maly vrch near Trteno. Vest Ust gool 39 no.4: 267-273 '64.

1. Institute of Geochemistry and Mineral Ray Materials, Checheslovak Academy of Sciences, Prague and Central Geological Institute, Prague.

CERNOCH, 0.; KOPECKY, M.

Certain observations on examination of young parachutists. Voj. zdrav.

listy 20 no.3:108-111 May-June 1951.

(CIMIL 20:11)

CERNOCH, O.; KOPECIT, M.

Induction barograph for explosive decompression. Voj. zdrav. listy 20 no.3:125-128 May-June 1951.

(GIML 20:11)

SKRAMLIK, Emil V.; KOPECKY, M.

Purkyne's essay on sound analysis. Cesk. fysiol. 5 no.4:
401-408 1956.

1. Physiologisches Institut, Humboldt Universitat, Berlin,
Ustav leteckeho zdravotnictvi, Praha.
(BIOGRAPHIES,
Purkyne, J. E. (Cz.))
(SOUNDS,
research by J. E. Purkyne (Cz.))

CZECHOSLOVAKIA/Human and Animal Physiology - Liver.

: Ref Zhur - Biol., No 7, 1958, 31893 Abs Jour

Author

: Poupa, O., Kopecky, M., Chytil, F.

Inst Title

: Basic Experimental Premises for the Fufluence on Hypoxia of the Liver by Means of Intra-Intestinal Insufflation

of Oxygen.

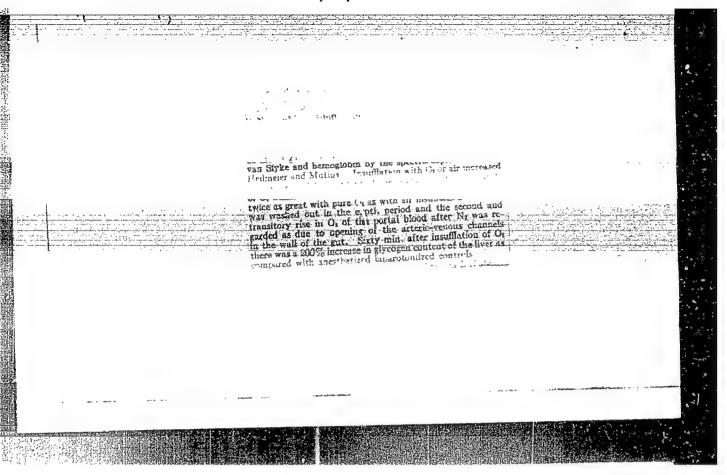
Orig Pub

: Casop. lekaru ceskych, 1957, 96, No 40-41, 1278-1282.

Abstract

: During insufflation into the digestive tract of air or 0, the absorption of 02 in the small and large intestine of rat is very gradual, reaching 0.44 ml of 02 in minute. This quantity is sufficient for the normal supply of the liver, even during compression of the hepatic artery.

Card 1/1



POUPA, O.; KOPECKY, M.; HROZA, Z.

Blood circulation in the splanchnic region in animals adapted to wounds.

Ceak, fysiol. 7 no.3:216-217 May 58.

1. Laborator pro fysiologii a patofysiologii premeny latek CSAV, Praha.

(BLOOD CIRCULATION,

in animals adapted to wds. (CE))

(WOUSES AND INJURIES.

blood circ. in splanchnic region in animals adapted to wds. (CE))

(ADAPTATION,

name)

KOPECKY, M.; DAUM, S.

Adaptation of the myocardium to altitude anoxia. Cesk. fysiol. 7 no.3: 218-219 May 58.

1. Laborator pro fysiologii a patofysiologii premeny latek CSAV, II interni klinima KU, Praha.

(HEART, physiol.

adaptation to altitude (Cz))

(ALTITUMS, eff.

on heart, adaptation (Cz))

(ADAPTATION,

heart adaptation to altitude (Cz))

KOPECKY, M.; MALINA, L.
"Effect of high-altitude anoxia on the glycide metabolism of erythrocytes"
Ceskoslovenska Fysiologie. Praha, Czechoslovakia. Vol. 8, no. 1, Jan 1959

Monthly list of East European Accessions (EEAI), LC, Vol. 8, No. 7, July 59, Unclas

HOLECKOVA, B.; PALTOVA, HENZA, Z.; CHYTIL, F.; KOPECKY, M.; IAT, J.; PARIZEK, J.,

Studies on the mechanism of adaptation to dietatic changes and to other stimuli in rats. Cesk. fysiol. 8 no.3:195-196 Apr 59.

1. Laborator pro fysiologii a patofysiologii premeny latek, CSAV, Praha, Predneseno na III. fysiologickych dnech v Brne 14, 1, 1959.

(ADAPTATION. to food composition & feeding rhythm in rats (Cs))

adaptation of rats to food composition & feeding rhythm (Cs))

KOPECKY, M.; FLEAR, C. T. G.

Sodium, potassium and water in isolated anoxic rat myocardium. Ceak. fysiol. 9 no.1:26-27 Ja 60.

l. Laborator pro fysiologii a patofysiologii premeny latek CSAV.
Dept. of Experimental Medicine, University of Cambridge.
(MYCCARDIUM metab.)
(SODIUM metab.)
(POTASSIUM metab.)

(ANOXIA exper.)

KOPECKY, N.

Simple modification of Matelson's micromethod for the determination of blood gases. Cesk.fysiol. 9 no.2:163-166 Mr *60.

1. Laborator pro fysiologii a patofysiologii premeny latek CSAV. Praha.

Hemoglobin in rats adapted to altitude anoxia. Cesk.fysiol. 9 no.3:242-243 My *60. 1. Laborator fysiologie a patofysiologie premeny latek CSAV, Praha (HEMOGLOBIE) (ANOXIA exper) (ADAPTATION PHYSIOLOGICAL)

"APPROVED FOR RELEASE: 03/13/2001

CIA-RDP86-00513R000824510007-4

DAUM, S.; KOPECKY, M.; OUREDNIK, A.

Respiratory acidosis and cor pulmonale. Their effect on pulmonary hypertension. Sborn. lek. 63 no.5/6:142-150 141.61.

1. Kardiopulmonalni odeleni Kardiologicke laboratore a II. interni kliniky fakulty vseobecneho lekarstv University Karlovy v Praze, prednosta prof. dr. F. Herles Laborator pro patofyziologii premeny latek pri CSAV v Praze, prednosta doc. dr. O. Poupa. (ACIDOSIS compl) (PULMONARY HEART DISEASE compl)

(ACIDOSIS compl) (PULM (PULMONARY EMPHYSEMA compl) (HYPERTENSION compl)

DAUM, S; JANOTA, M; KOPECKÍ, M; OUKENIK, A.

Czechoslovakia

Cardiological Laboratory and the Second Internal
Hedicine Clinic FVL of Charles University -- Prague
(Kardiologická laboratoř a II. wnithní klinika FVL
University Karlovy -- Praha); Head: F. HERLES, Prof.
Dr. - (for all)

Prague, Vnitřní lákařství, NB- IX-2, 1963, pp 105-115

"Blood Gases, pH and Some Respiratory Values in
Prasumonia."

L 45366-66

ACC NR:

AP6026461

SOURCE CODE: CZ/0092/66/017/002/0045/0057

66 65 B

AUTHOR: Kopecky, M.; Kuklin, G. V.

ORG: Astronomical Institute of the Czechoslovak Academy of Sciences, Ondrejov

TITLE: The decay time of sunspot magnetic fields

SOURCE: CSAV. Byul astron inst Chekhoslov, v. 17, no. 2, 1966, 45-57

TOPIC TAGS: sunspot, solar plasma, electric conductivity, hydrogen ion, sunspot magnetic field, plasma decay

ABSTRACT: On the basis of previous works, the authors compare the lifetime of observed sunspots and the theoretically estimated plasma decay time of sunspot magnetic fields, assuming that the dissipation is that of Joule. They discuss the different types of formulas used to calculate the electrical conductivity of solar plasma. The values of the electrical conductivity, the anisotropy coefficients, and the decay time are calculated for some sunspot models of different areas. The authors show that the influence of negative hydrogen ions H and positive hydrogen

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